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(71) Applicant *(for all designated States except US)*: SNELL & WILCOX LIMITED [GB/GB]; 6 Old Lodge Place, St. Margaret's, Twickenhamm, Middlesex TW1 1RQ (GB).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: KNEE, Michael, James [GB/GB]; 6 Woodbury Avenue, Petersfield, Hants GU32 2EE (GB). WESTON, Martin [GB/GB]; 7B Weston Road, Petersfield, Hampshire GU31 4JF (GB).

(74) Agents: GARRATT, Peter, Douglas et al.; Mathys & Squire, 100 Gray's Inn Road, London WC1X 8AL (GB).

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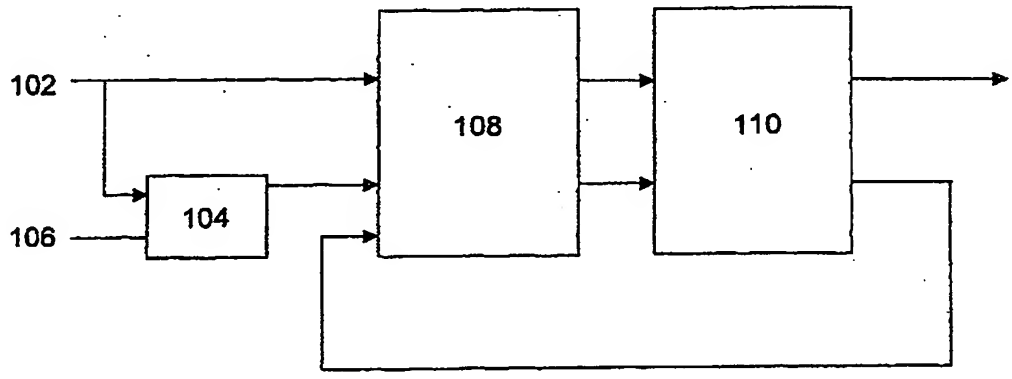
(54) Title: IMAGE PROCESSING



(57) Abstract: Video data is segmented by representing the pixel location, RGB values and other features such as motion vectors, as points in a multidimensional segmentation space. Initialized segments are represented as locations in the segmentation space and segment membership then determined by the distance in segmentation space from the data point representing the pixel to the location of the segment. The distance measure takes into consideration the covariance of the data, for the segment or for the picture.

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